

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|-------------------------------------|---|------------------|
| - | 288 | 713/171.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/06 19:08 |
| - | 719 | 713/155-156.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/06 19:08 |
| - | 146 | 713/175.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/10 17:11 |
| - | 162 | 380/286.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/06 19:08 |
| - | 1580 | 380/277-286.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/06 19:08 |
| - | 136 | 380/259.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/06 19:08 |
| - | 32 | concatenate near5 key | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/06 19:44 |
| - | 115 | concatenate near5 key | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/06 19:51 |
| - | 104 | 713/155-156.ccls. and concatenat\$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/06 19:51 |
| - | 26 | 713/175.ccls. and concatenat\$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/06 19:51 |
| - | 60 | 380/286.ccls. and concatenat\$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/06 19:51 |
| - | 289 | 380/277-286.ccls. and concatenat\$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/06 20:00 |
| - | 66 | 713/171.ccls. and concatenat\$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/06 19:51 |

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|--|---|------------------|
| - | 1806 | (linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3) and (tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3) and (hash\$3) and ((message adj (authentication digest)) (modification adj detection adj code)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/15 21:42 |
| - | 611 | (linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3) and (tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3) and (hash\$3) and ((message adj (authentication digest)) (modification adj detection adj code)) and (random salt nonce) and symmetric | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/14 15:06 |
| - | 566 | (linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3) and (tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3) and (hash\$3) and ((message adj (authentication digest)) (modification adj detection adj code)) and (random salt nonce) and symmetric and key and cryptograph\$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/15 23:21 |
| - | 62 | ((linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3) and (tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3) and (hash\$3) and ((message adj (authentication digest)) (modification adj detection adj code)) and (random salt nonce) and symmetric and key and cryptograph\$3 and (CBC (cipher adj block chaining)) and (IV initialization near3 vector)) and @ad >= "20001211" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/16 00:04 |
| - | 2 | ("20010019614").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/15 17:57 |
| - | 2 | ((("20010019614").PN.) and (key hash\$3 master first secondary primary linked linking link bond\$3 concatenat\$3 random number private public symmetric cbc cipher-block chaining vector secure cryptographic encryption protection integrity) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/15 23:59 |
| - | 2 | US-5675649-\$.did. and (key hash\$3 master first secondary primary linked linking link bond\$3 concatenat\$3 random number private public symmetric cbc cipher-block chaining vector secure cryptographic encryption protection integrity) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/15 21:20 |
| - | 868 | ((linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3) near3 key) and (tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3) and (hash\$3) and ((message adj (authentication digest)) (modification adj detection adj code)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/15 21:43 |
| - | 7 | ((linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3) near3 key) and (tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3) and (hash\$3 near key) and (((message adj (authentication digest)) (modification adj detection adj code)) and (random salt nonce) and symmetric and key and cryptograph\$3 and (CBC (cipher adj block chaining)) and (IV initialization near3 vector)) and @ad <= "20001211" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/16 00:04 |
| - | 1189 | ((((root certificate) near3 authority) or (key near3 manag\$5)) and tree | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/15 23:26 |
| - | 757 | (hash\$3 near3 key) and symmetric | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/15 23:26 |
| - | 49 | (((((root certificate) near3 authority) or (key near3 manag\$5)) and tree) and ((hash\$3 near3 key) and symmetric) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/15 23:27 |

| | | | | |
|---|----|--|---|------------------|
| - | 2 | ("20010019614").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/15 23:35 |
| - | 2 | ("200119614").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/15 23:35 |
| - | 0 | ("US20010019614A1").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/15 23:36 |
| - | 0 | ("US-20010019614-A1.did.").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/15 23:36 |
| - | 2 | US-20010019614-A1.did. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/15 23:36 |
| - | 0 | (hashing adj tree) and (hash\$3 near5 key) same (random unique nonce) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/16 00:00 |
| - | 11 | (hash\$3 adj tree) and (hash\$3 near5 key) same (random unique nonce) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/16 00:04 |
| - | 11 | ((hash\$3 adj tree) and (hash\$3 near5 key) same (random unique nonce)) and (linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3 tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3 hash\$3 message authentication digest verif\$5 detect\$3 compar\$3 validat\$3 correct\$3 identical modification detection code MAC random salt nonce symmetric key cryptograph\$3 CBC cipher block chaining IV initialization near3 vector) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/16 00:15 |
| - | 91 | (linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3) and (tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3) and (hash\$3) and ((message adj (authentication digest)) (modification adj detection adj code)) and (random salt nonce) and symmetric and key and cryptograph\$3 and (CBC (cipher adj block chaining)) and (IV initialization near3 vector) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/16 00:15 |
| - | 31 | ((linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3) and (tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3) and (hash\$3) and ((message adj (authentication digest)) (modification adj detection adj code)) and (random salt nonce) and symmetric and key and cryptograph\$3 and (CBC (cipher adj block chaining)) and (IV initialization near3 vector)) and @ad <= "20001211" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/16 00:15 |

| | | | | |
|---|----|---|---|------------------|
| - | 31 | ((((linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3) and (tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3) and (hash\$3) and ((message adj (authentication digest)) (modification adj detection adj code)) and (random salt nonce) and symmetric and key and cryptograph\$3 and (CBC (cipher adj block chaining)) and (IV initialization near3 vector)) and @ad <= "20001211") and (linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3 tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3 hash\$3 message authentication digest verif\$5 detect\$3 compar\$3 validat\$3 correct\$3 identical modification detection code MAC random salt nonce symmetric key cryptograph\$3 CBC cipher block chaining IV initialization near3 vector) ("5142578").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/16 00:22 |
| - | 2 | ("5142578").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/16 00:22 |
| - | 2 | ((("5142578").PN.) and (linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3 tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3 hash\$3 message authentication digest verif\$5 detect\$3 compar\$3 validat\$3 correct\$3 identical modification detection code MAC random salt nonce symmetric key cryptograph\$3 CBC cipher block chaining IV initialization near3 vector) ("4,908,861").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/17 10:22 |
| - | 2 | ("4,908,861").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/16 00:25 |
| - | 2 | ("4,941,176").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/16 00:25 |
| - | 2 | ((("5142578").PN.) and (linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3 tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3 hash\$3 message authentication digest verif\$5 detect\$3 compar\$3 validat\$3 correct\$3 identical modification detection code MAC random salt nonce symmetric key cryptograph\$3 CBC cipher block chaining IV initialization near3 vector digital signature sign\$3) ("4,941,176").PN.) and (linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3 tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3 hash\$3 message authentication digest verif\$5 detect\$3 compar\$3 validat\$3 correct\$3 identical modification detection code MAC random salt nonce symmetric key cryptograph\$3 CBC cipher block chaining IV initialization near3 vector) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/16 00:27 |
| - | 2 | ((("4,941,176").PN.) and (linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3 tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3 hash\$3 message authentication digest verif\$5 detect\$3 compar\$3 validat\$3 correct\$3 identical modification detection code MAC random salt nonce symmetric key cryptograph\$3 CBC cipher block chaining IV initialization near3 vector) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/16 19:36 |
| - | 0 | ((US-5675649-\$ or US-4941176-\$).did. or (US-20040039924-\$ or US-20010019614-\$).did.) and salt | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/17 10:08 |
| - | 4 | (US-5675649-\$ or US-4941176-\$).did. or (US-20040039924-\$ or US-20010019614-\$).did. | USPAT; US-PGPUB | 2004/05/17 10:22 |
| - | 6 | ((((US-6718467-\$ or US-6389535-\$ or US-6044155-\$ or US-5720034-\$).did.).p57-p127. or ((US-20030046238-\$ or US-20030221101-\$).did.).p128-p139.) and (linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3 tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3 hash\$3 message authentication digest verif\$5 detect\$3 compar\$3 validat\$3 correct\$3 identical modification detection code MAC random salt nonce symmetric key cryptograph\$3 CBC cipher block chaining IV initialization near3 vector) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/17 10:23 |

| | | | | |
|---|---|---|---|------------------|
| - | 4 | ((US-5675649-\$ or US-4941176-\$).did. or (US-20040039924-\$ or US-20010019614-\$).did.) and (linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3 tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3 hash\$3 message authentication digest verif\$5 detect\$3 compar\$3 validat\$3 correct\$3 identical modification detection code MAC random salt nonce symmetric key cryptograph\$3 CBC cipher block chaining IV initialization near3 vector) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/17 12:01 |
| - | 2 | ("4941176").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/17 12:01 |
| - | 2 | ((("4941176").PN.) and (linking linked link associat\$3 bond\$3 connect\$3 coupl\$3 interconnect\$3 join\$3 joint relat\$3 weld\$3 tamper\$3 chang\$3 modif\$8 corrupt\$3 infect\$3 hash\$3 message authentication digest verif\$5 detect\$3 compar\$3 validat\$3 correct\$3 identical modification detection code MAC random salt nonce symmetric key cryptograph\$3 CBC cipher block chaining IV initialization near3 vector) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/17 12:03 |

| | | | | |
|---|------|--|---|------------------|
| - | 8 | (key same hash same (salt random (unique adj (number digit)))) and ((concatenat\$3 catenat\$3 join\$3 link\$3 connect\$3) same (detect\$3 determin\$3 verif\$4 certif\$4 check\$3) same key same salt) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/10 14:47 |
| - | 8 | (key same hash same (salt random (unique adj (number digit)))) and ((concatenat\$3 catenat\$3 join\$3 link\$3 connect\$3) same (detect\$3 determin\$3 verif\$4 certif\$4 check\$3) same key same salt) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/10 14:47 |
| - | 5855 | key near4 management | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/10 17:09 |
| - | 990 | key same hash same (salt random (unique adj (number digit))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/10 17:10 |
| - | 187 | (key near4 management) and (key same hash same (salt random (unique adj (number digit)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/10 17:11 |
| - | 48 | (key near4 management) and (key same hash same (salt random (unique adj (number digit)))) and (message near4 digest) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/10 17:14 |
| - | 26 | (key near4 management) and (key same hash same (salt random (unique adj (number digit)))) and (message near4 digest) and (concatenat\$4 catenat\$3) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/10 17:22 |
| - | 22 | (key near4 management) and (key same hash same (salt random (unique adj (number digit)))) and (message near4 digest) and (concatenat\$4 catenat\$3) and symmetric | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/10 17:25 |
| - | 8 | (key near4 management) and (key same hash same (salt random (unique adj (number digit)))) and (message near4 digest) and (concatenat\$4 catenat\$3) and (symmetric with (cipher adj block adj chaining (CBC))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/10 17:26 |
| - | 12 | (message near4 digest) and (concatenat\$4 catenat\$3) and (symmetric with (cipher adj block adj chaining (CBC))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/10 17:26 |
| - | 37 | concatenat\$3 with public with private | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/10 18:10 |
| - | 0 | (concatenat\$3 with public with private) same symmetric same (Cipher adj block adj chain (CBC)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/10 18:11 |
| - | 2 | (concatenat\$3 with public with private) same symmetric | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/10 18:12 |